You have 10 minutes for the quiz. Please show your work and write neatly. NO CALCULATOR please!

1. Rewrite the expression using only positive exponents

$$
\begin{aligned}
\left(x^{-5} y\right)^{-3 / 2} & =x^{15 / 2} y^{-3 / 2} \\
& =\frac{x^{15 / 2}}{y^{3 / 2}}
\end{aligned}
$$

2. Find the roots of

$$
x^{3}+2 x^{2}-3 x=0
$$

We factor:

$$
\begin{aligned}
x^{3}+2 x^{2}-3 x & =x\left(x^{2}+2 x-3\right) \\
& =x(x+3)(x-1) .
\end{aligned}
$$

Thus, the roots of the polynomial are $x=-3,0$, and 1 .

